

Abstract

5           The invention provides a method for determining whether a  
treatment is effective in changing the status of a certain set of target cells,  
such as a tumor, in a patient. This method implies obtaining a sample from a  
patient after initiation of a treatment, and determining whether said sample  
comprises an expression product of at least one marker gene. Preferably, said  
10   sample is a blood sample. In one aspect, said expression product is expressed  
by a peripheral blood mononuclear cell. Said marker gene may be a gene  
involved in the generation, maintenance and/or breakdown of blood vessels  
(angiogenesis). A method of the invention is very suitable to determine within  
a few days if a certain treatment against Kaposi's Sarcoma is successful.  
15   Moreover, this method is suitable for determining the presence of angiogenesis  
and/or tumor cells in a patient.